

axially along a central axis upon application of alternating polarity signals to the winding;
and

a¹
a pump member secured to and movable reciprocally with the coil assembly, the pump member extending into the pump section to produce pressure variations in the pump section during reciprocal movement to draw fuel into the pump section and to express fuel therefrom.

Sub C2
a²
8. (Amended) A reciprocating fuel pump comprising:
a drive system including a coil assembly and a permanent magnet, one of the coil assembly and the permanent magnet being disposed in a fixed position and the other of the coil assembly and permanent magnet being movable reciprocally by application of alternating polarity to the coil assembly, the drive system further comprising a drive member secured to and movable reciprocally with either the coil assembly or the permanent magnet; and

a pump assembly adjacent to the drive system, the drive member extending into the pump assembly for generating increases and decreases in fluid pressure within the pump assembly during reciprocal movement to draw fuel into the pump assembly and to express fuel therefrom.

Sub C3
a³
15. (Amended) A reciprocating pump comprising:
a drive system including a permanent magnet and a coil assembly, the coil assembly being energizable to cause reciprocal movement of a drive member; and
a pump assembly disposed adjacent to the drive system, the pump assembly including means for admitting a supply of fluid into an inner volume of the pump assembly, means for pressurizing the inner volume by reciprocal movement of the drive member, and means for expressing pressurized fluid from the inner volume.
